

Insert data into upper left part of matrix

1st dimension data

1st dimension parity

2nd dimension data
 k_y

d_0	d_1	d_2	...	d_{k-1}	p_0	p_1	...	$p_{(n-k)-1}$
d_{kx}				d_{2kx-1}	p_{nx-kx}			$p_{2(n-k)-1}$
$d_{(ky-1)kx}$				d_{kykx-1}	$p_{(ky-1)(nk-kx)}$			$p_{ky(nk-kx)-1}$
$p_{ky(nk-kx)}$	$p_{ky(nk-kx)+1}$	$p_{ky(nk-kx)+2}$						$p_{ky(nk-kx)+nx-1}$
$p_{ky(nk-kx)+nx}$								$p_{ky(nk-kx)+kykx-1}$

Horizontal Parity

Vertical Parity

1st dimension code
 n_x

Read out matrix row by row

3

d_0	d_1		d_{k-1}	p_0	p_1	...	$p_{nx-kx-1}$	d_k	...	d_{2k-1}	p_{nx-kx}
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...	d_{kykx-1}	$p_{(ky-1)(nk-kx)}$...	$p_{ky(nk-kx)-1}$	$p_{ky(nk-kx)}$	$p_{ky(nk-kx)+1}$	$p_{ky(nk-kx)+2}$...	$p_{ky(nk-kx)+nx-1}$	$p_{ky(nk-kx)+nx}$...	$p_{ky(nk-kx)+kykx-1}$
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FIG 1

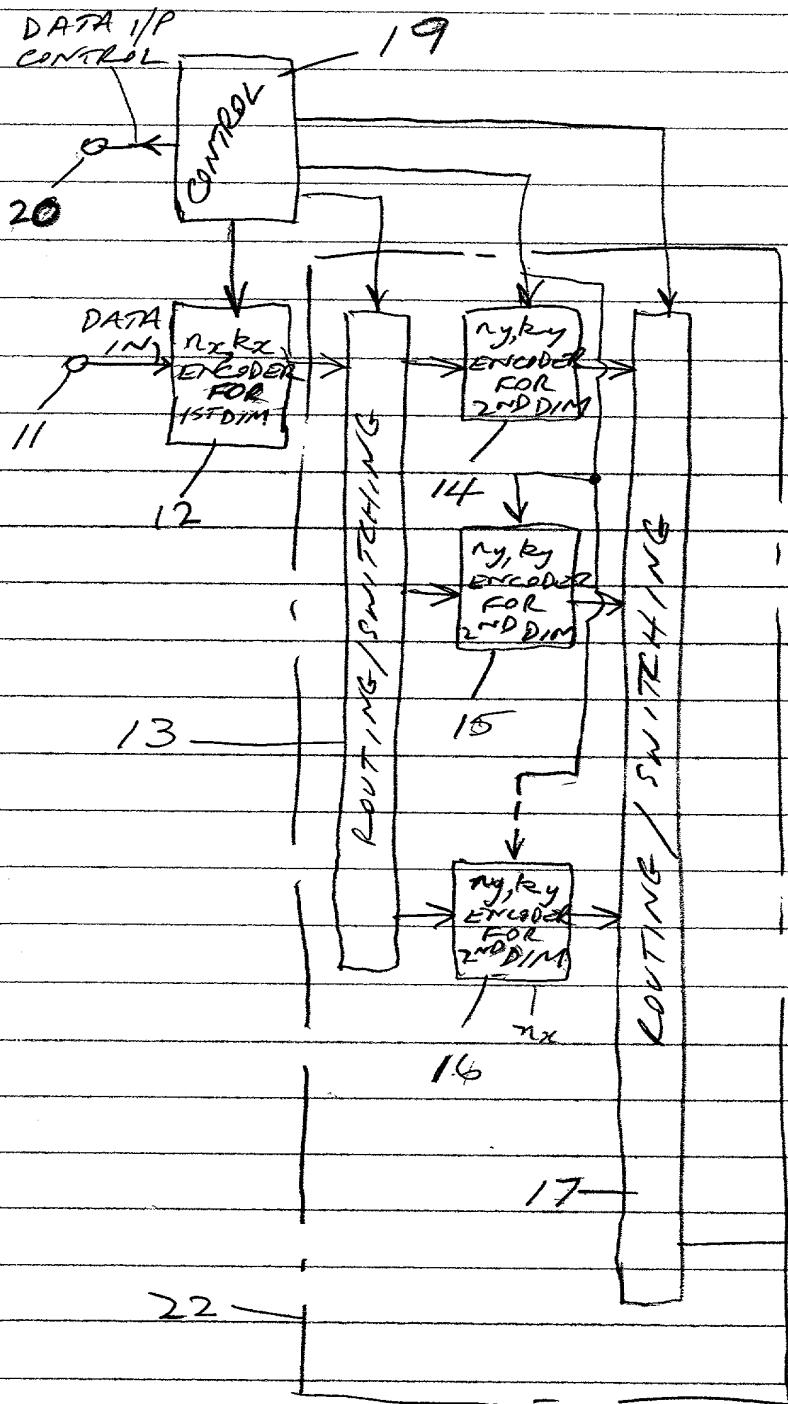


FIG 2

3/6

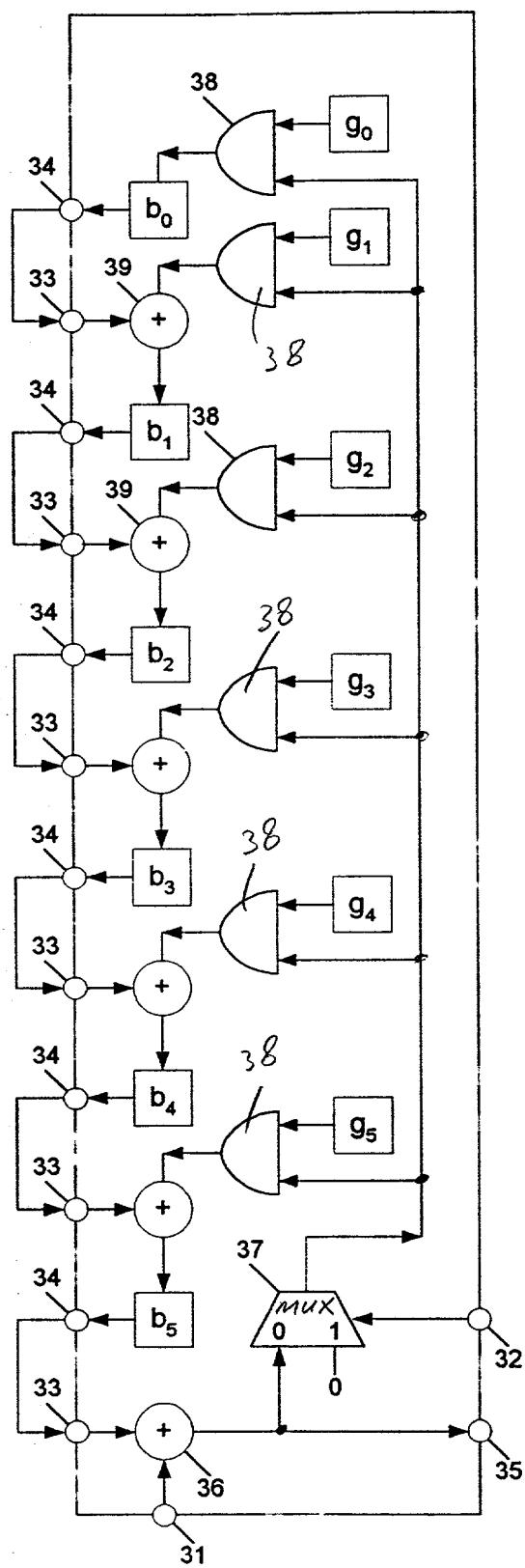


FIG 3

4/6

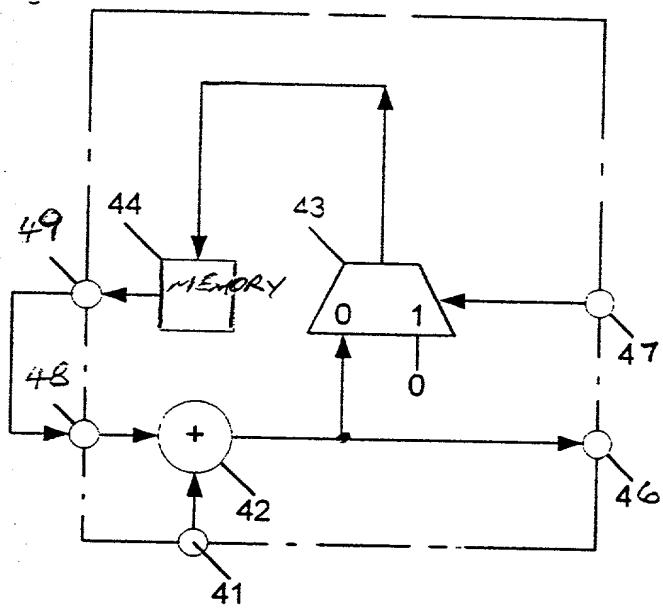


FIG 4

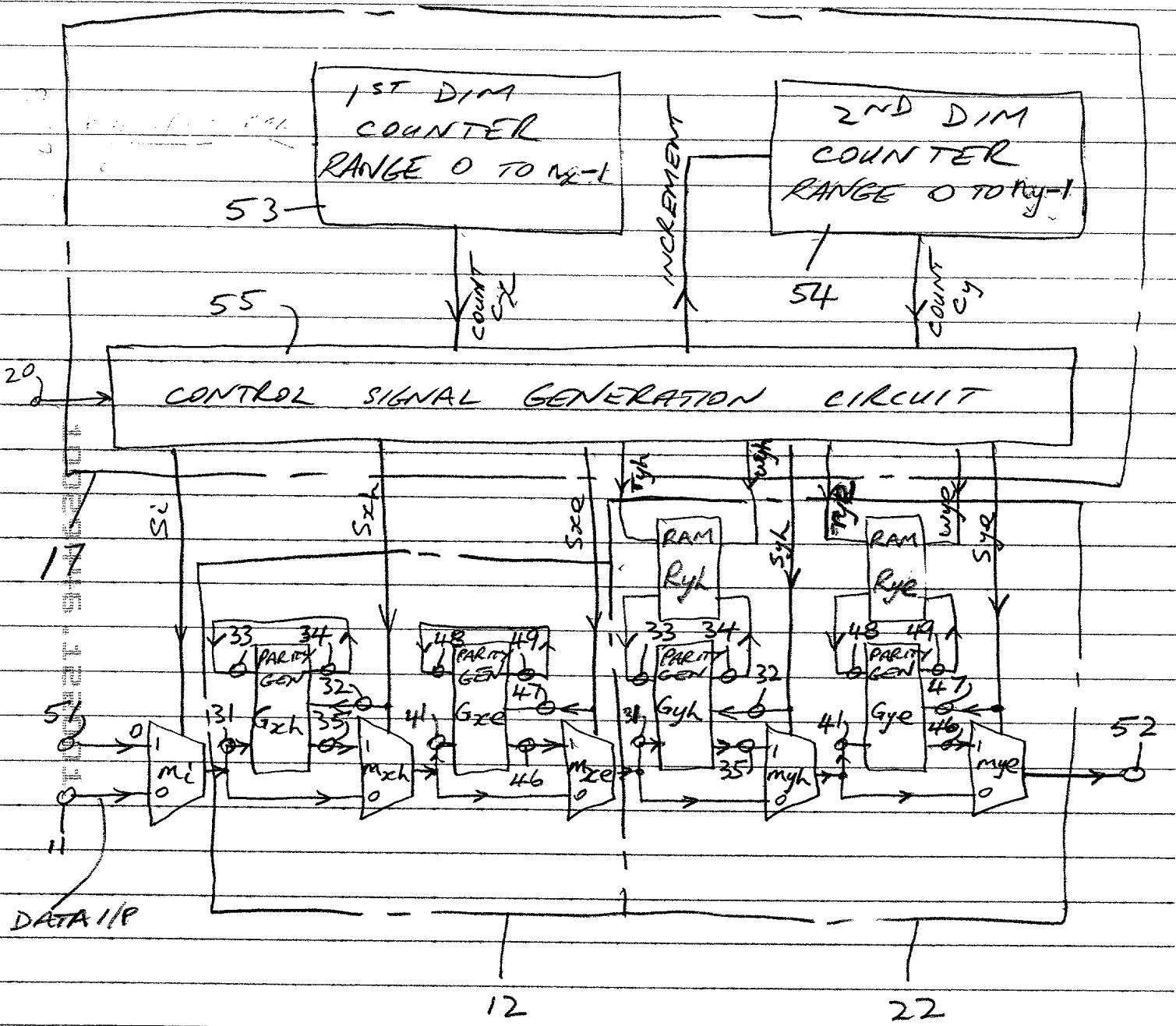


FIG 5

6/6

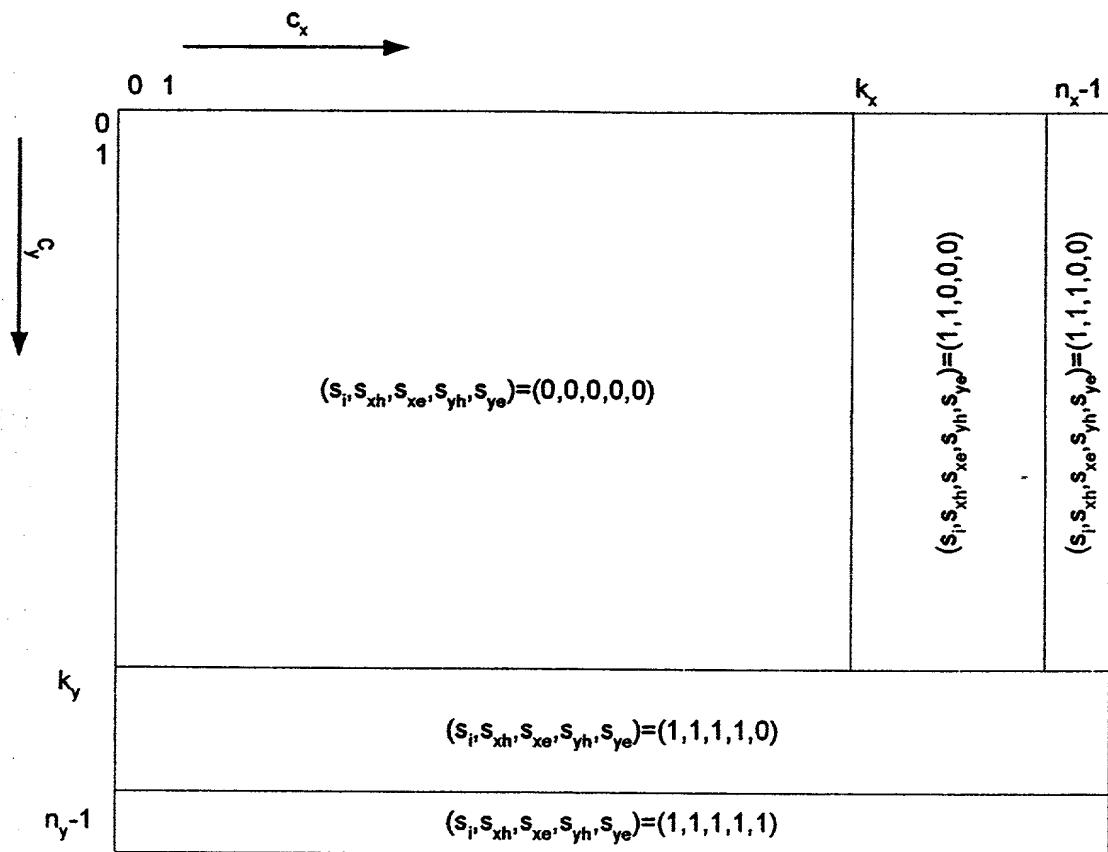


FIG 6